BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Construction of Balance Storm Water Drain at Ganeshwarai layout in Ward No. 09, Vidyaranyapura Sub Division.**

			Estimate Cost:					4400000.00	
Sl. No	**Description**	**Unit**	**No.**	**L**	**B**	**D**	**Qty**	**Rate**	**Amount**
1	KSRB 2-2.2 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, **Page No. 5 / Item No. 2.3 / PWD SR 2014-15**	Cum							
			1	98.00	4.00	1.35	529.20		
	Deduction existing Drain		1	98.00	2.00	0.90	-176.40		
							352.80	264.60	**93351.00**
	Basic Rate	245.00							
	Area Weightage @8%	19.60							
	Total	**264.60**							
2	KSRB 2.8 : Providing and filling in foundation with granite/trap broken metal 100mm, and down size, with approved sand including had packing, ramming, watering, including cost of all materials and labour with all lead and lift, complete as per specifications. Specification. No. KBS, **Page No. 6 / Item No. 2.15 / PWD SR 2014-15**	Cum							
			1	98.00	4.00	0.30	117.60		
							117.60	1962.36	**230774.00**
	Basic Rate	1817.00							
	Area Weightage @8%	145.36							
	Total	**1962.36**							
3	KSRB 4-1.2 : Providing and laying in position plain cement concrete of **mix 1:3:6 with OPC cement @ 220 Kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.2/ PWD SR 2014-15**	Cum							
			1	98.00	4.00	0.20	78.40		
							78.40	5064.12	**397027.00**
	Basic Rate	4689.00							
	Area Weightage @ 8%	375.12							
	Total	**5064.12**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
4	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls** at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 15 / Item No. 4.31 / PWD SR 2014-15**	Sqm							
	Side Wall		4	98.00		1.75	686.00		
	Covering Bottom		1	98.00	2.90		284.20		
	Covering Sides		2	98.00		0.25	49.00		
							1019.20	292.68	**298299.00**
	Basic Rate	271.00							
	Area Weightage @ 8%	21.68							
	Total	**292.68**							
5	Providing and laying cement concrete using 20mm and down size granite jelly of **ready mixed concrete (RMC)for R.C.C works** laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. **Page No. 18 / Item No. 4.48 / PWD SR 2014-15**	Cum							
	Bottom Concrete		1	98.00	3.50	0.20	68.60		
	Side Walls		2	98.00	0.30	1.60	94.08		
	Covering Slab		1	98.00	3.50	0.20	68.60		
							231.28	5847.12	**1352322.00**
	Basic Rate	5414.00							
	Area Weightage @ 8%	433.12							
	Total	**5847.12**							
6	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **TMT Bars FE 500 Page No. 17 / Item No. 4.46.2 / PWD SR 2014-15**	Tonne							
			0.10	231.28			**23.13**	78351.84	**1812121.00**
	Basic Rate	72548.00							
	Area Weightage @ 8%	5803.84							
	Total	**78351.84**							
7	KSRB 2.5 : Earthwork excavation(in deposited soil) and filling sides of foundation upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layer by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications. Specification. No. KBS 2.9.9/2.9.10.1/2.1.1, **Page No. 6 / Item No. 2.12 / PWD SR 2014-15**	Cum							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	New Earth		2	98.00	2.00	1.60	627.20		
							627.20	236.52	**148345.00**
	Basic Rate	219.00							
	Area Weightage @ 8%	17.52							
	Total	**236.52**							
8	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
			Vide Item No. 1				**317.52**	73.57	**23360.00**
	Average weight of earth 1.28 tonne / kg for 2x1.28x2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.130 PWD SR 2014-15	63.00							
		68.12							
	Area Weightage @ 8%	5.45							
	Total	**73.57**							
9	Sub Total								**4355599.00**
10	For Third Part QC inspection Charges @ 1%								**43556.00**
11	Miscellaneous and other Charges	L/S							**845.00**
								Total	**4400000.00**
	(Rs. Fourty Four Lakhs Only)								

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2014-15.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Wrks

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidayranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVELY SANCTIONED FOR Rs. 44,00,000/-
Rupees Fourty Four lakhs only
Under P-3089

Registered as EE ( ) No. 3 9
Subject to conditions contained in enclosed memo EE ( ) No. /9/...
Dt. Estimate A/S sanctioned
Je(4/00)AS/ No. 35/2014-15
dated 20/8/2014 Rs. 44,00,000/-

Technical Sanction
Accorded For 44.00 lakhs Rs.
Head of A/C P3089
CER NO : 53 Dt:. 21.8.15

TA CE (YNK)

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE, BYATARAYANAPURA DIVISION

Lead Statement for Srinivaspura Dumping Yard for Ward No. 09,
Vidyaranyapura Sub Division.

Lead Distance

1.	From BBMP Sub Division office to Devi Circle	1.50 Kms
2.	From Devi Circle to Thirumala Daba	2.00 Kms
3.	From Thirumala Daba to 3rd Cross SBI Bank	2.00 Kms
4.	From 3rd Cross SBI Bank to Sheshadripuram College	0.50 Kms
5.	From Shesadripuram College to Police Station	0.80 Kms
6.	From Police Station to Kogilu Cross	0.60 Kms
7.	From Kogilu Cross to Srinivasapura	4.00 Kms
8.	From Srinivasapura to Dumping Yard	0.50 Kms
	Total	**11.90 Kms**

Certificate:

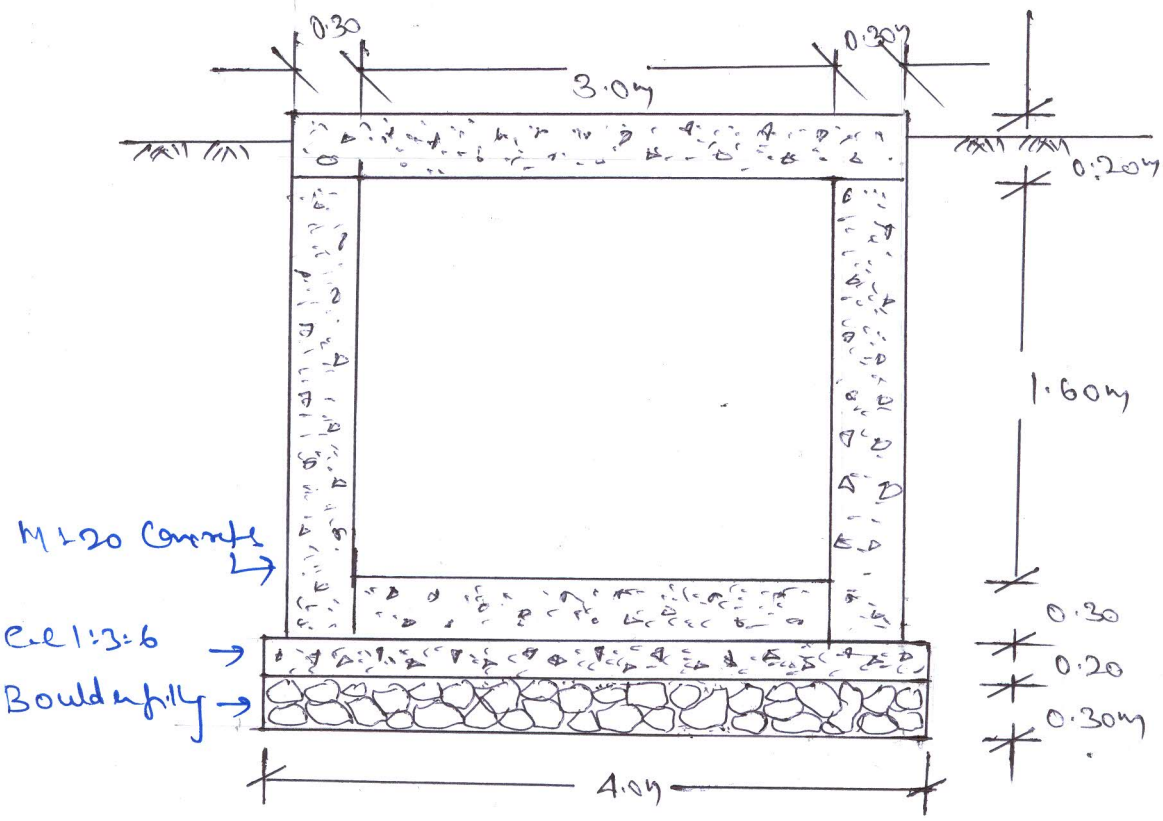
1. Certified that the Srinivasapura Dumping Yard us the approved dumping yard for ward no. 09 BBMP
2. BBMP Sub Division office Vidyaranyapura is taken as the centre place for calculating the lead distance for ward no. 09.
3. The above distance is the shortest distance for calculating the lead.

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division

Executive Engineer
Byatarayanapura Division

Construction of Balance Storm Water Drain at Ganaeshwara Layout in Ward No. 09 Vidyaranyapura Sub Division



c/s of storm water drain

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Name of work : Construction of Balance Storm Water Drain at Ganaeshwara Layout in Ward No. 09
Vidyaranyapura Sub Division

Associate Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97